

WHAT IS CLAIMED IS:

1. A transmission line sharing method for service networks different from each other in a network system in which  
5 services are provided from base station control units to base stations in service networks different from each other in a network system, wherein

services are provided from a plurality of base station control units through a line multiplexer/demultiplexer  
10 respectively to base stations in a plurality of service networks different from each other in a network system, thereby permitting a transmission path and a transmitter common to the service networks different from each other in a network system to be used.

15 2. The transmission line sharing method for service networks different from each other in a network system according to claim 1, wherein the base station control units include an STM system and an ATM system and the line  
20 multiplexer/demultiplexer terminates and accommodates a line of an ATM system as an STM system.

3. The transmission line sharing method for service networks different from each other in a network system  
25 according to claim 1 or 2, wherein the service networks different from each other in a network system include a PDC system and an IMT-2000 system.

4. A transmission line sharing system for service networks different from each other in a network system in which services are provided from base station control units to base stations in service networks different from each other in a network system, said transmission line sharing system comprising:

a plurality of base stations for respective different service networks;

a plurality of base station control units respectively for providing services to the plurality of base stations;

a transmission path and a transmitter common to the service network between one of the base stations and one of the base station control units and the service network between another base station and another base station control unit; and

a line multiplexer/demultiplexer for connecting the plurality of base station control units to the transmitter.

5. The transmission line sharing system for service networks different from each other in a network system according to claim 4, wherein the base station control units include a base station control unit of an STM system and a base station control unit of an ATM system and an ATM-STM line terminating set for terminating the ATM system as the STM system is provided between the line multiplexer/demultiplexer and the base station control unit of the ATM system.

6. The transmission line sharing system for service networks different from each other in a network system

according to claim 4 or 5, wherein the service networks different from each other in a system include a PDC system and an IMT-2000 system.